US fuel use in Antarctica

VIRTUAL STUDENT FOREIGN SERVICE

VSFS

Project Title	US fuel use in Antarctica
Project Summary	Development of a data entry system for tracking annual fuel use by the US Antarctic Program. Automated graphing and trend analysis for the past 3-5 years also requested.
Country	United States
Agency	National Science Foundation
DoS Office	N/A
Post	N/A
Section	N/A
Number of Interns	1

Project Description

The National Science Foundation manages the US Antarctic Program (USAP) which supports all US research in the Antarctic. This is research that can be done only in Antarctica or that can be done best from Antarctica and is supported at any of our three main stations, two ships, or numerous field sites.

In an effort to continue to reduce our reliance on fossil fuels, we are constantly monitoring its use and need better tools to quickly graph and see trends. Fuel uses are broad and include ships, fixed wing aircraft, helicopters, vehicles, facilities, etc. that require different ways to manage the data stream.

While previously the office has used an excel file and simply, laboriously, entered the data by hand and then generated graphs one by one it would be nice to automate as much of this effort as possible. It could be as simple as an excel macro but must be done using some kind of freeware.

Data analysis will also help with out year planning for fuel procurements and provide a baseline as station redevelopments are initiated.

Desired Skills Interests

Additional Information

For more information on the US Antarctic Program go to: www.usap.gov

Language Requirements

None